



Governor's Office of Storm Recovery



Andrew M. Cuomo
Governor

Lisa Bova-Hiatt
Executive Director

Rebuild by Design Living with the Bay

Living with the Bay Citizens Advisory Committee Meeting #2
August 22nd, 2016



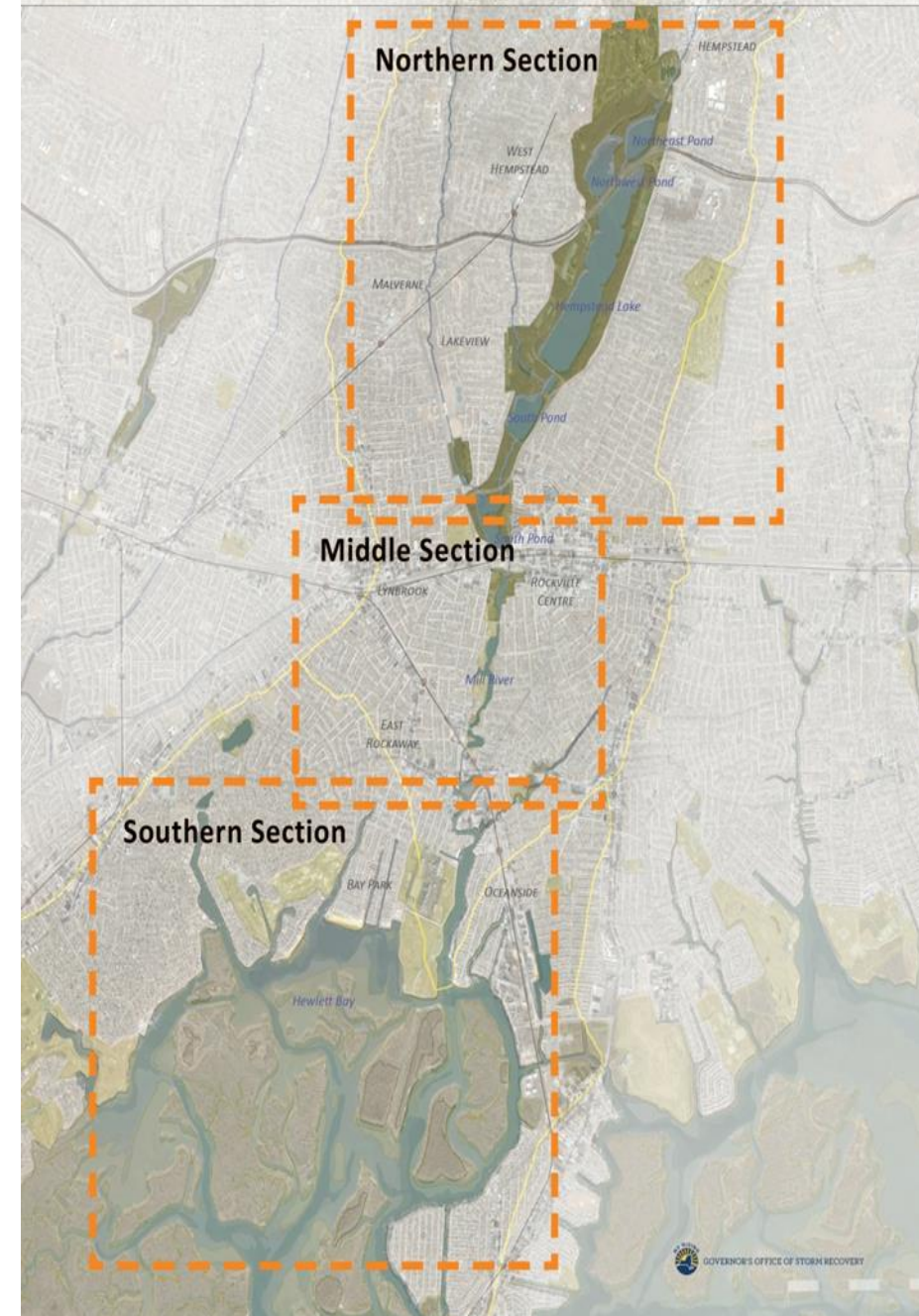
Living with the Bay

Citizens Advisory Committee (CAC)

Agenda

1. Welcome and Program Update
2. Introduction of Winning RBD Design Team
3. Announcement of Social Resiliency Finalists
4. Overview of Malverne's Proposed RBD Projects
5. Federal Funds Coordination in the RBD Watershed
6. Focus Group Exercises

REBUILD BY DESIGN - LIVING WITH THE BAY
NASSAU COUNTY, LONG ISLAND



The Winning Design Team Secured

The Living with the Bay Design Team engaged over 100 organizations during the competition, conducting over 70 community meetings, informational meetings, and presentations.

Stages of Competition:

Stage 1 (June-July 2013): 148 interdisciplinary resilient concepts were submitted. 10 winning project teams advanced to Stage 2 of competition.

Stage 2 (Aug-Oct 2013): \$100,000 was provided to the design team to further engage stakeholders, identify interdependencies, document vulnerabilities, develop comprehensive regional strategies.

Stage 3 (Nov 2013-Feb 2014): Team was awarded an additional \$100,000 to design site-specific projects that could be locally implementable and scalable.

Stage 4 (Mar 2014): HUD announced the design team had secured a winning project with

\$ 125,000,000

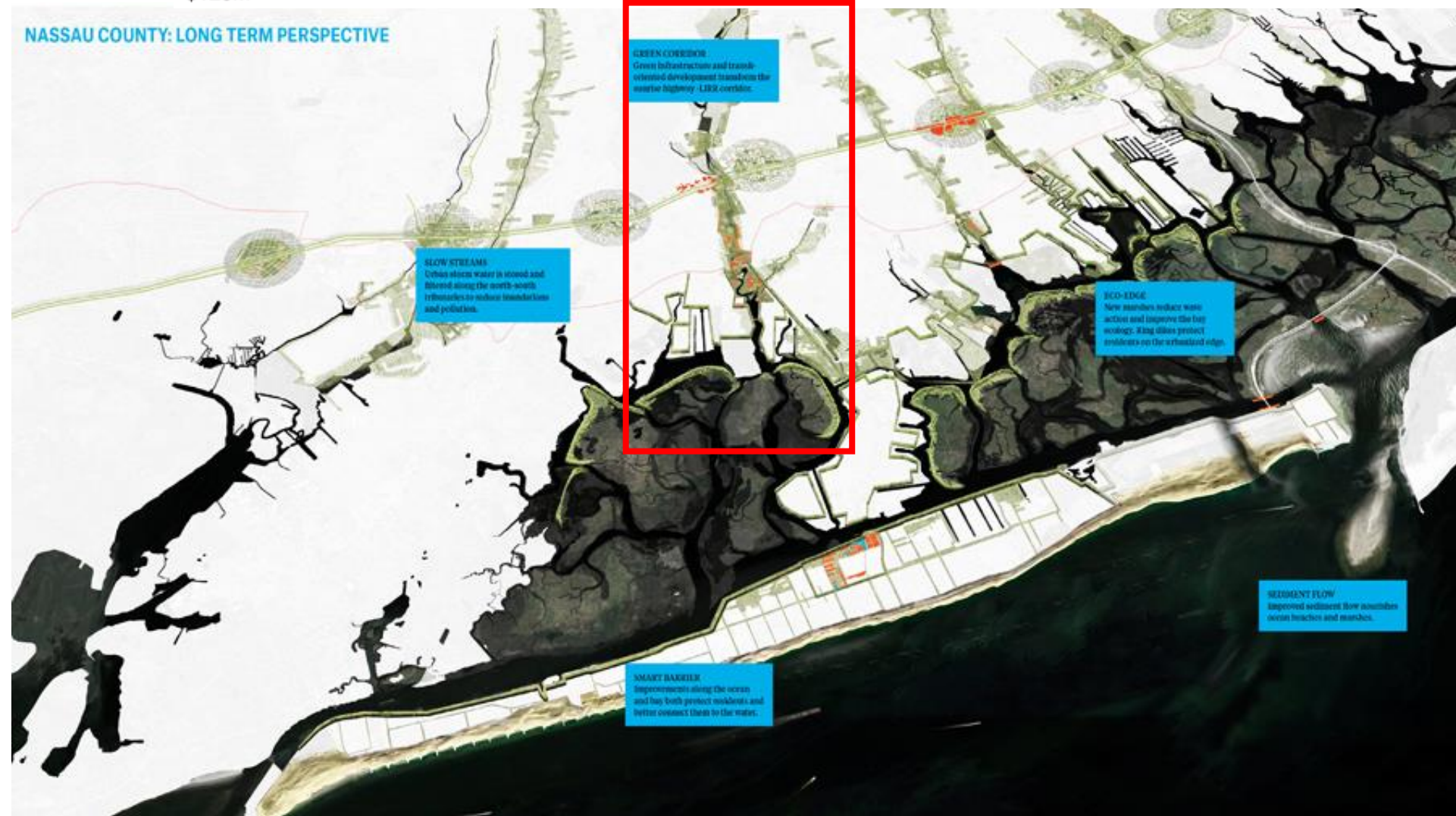


The Original Winning Proposal

REBUILD
BY
DESIGN

LIVING WITH THE BAY: A COMPREHENSIVE REGIONAL RESILIENCY PLAN FOR NASSAU COUNTY'S SOUTH SHORE

Winning Project
\$125M



The Design Team

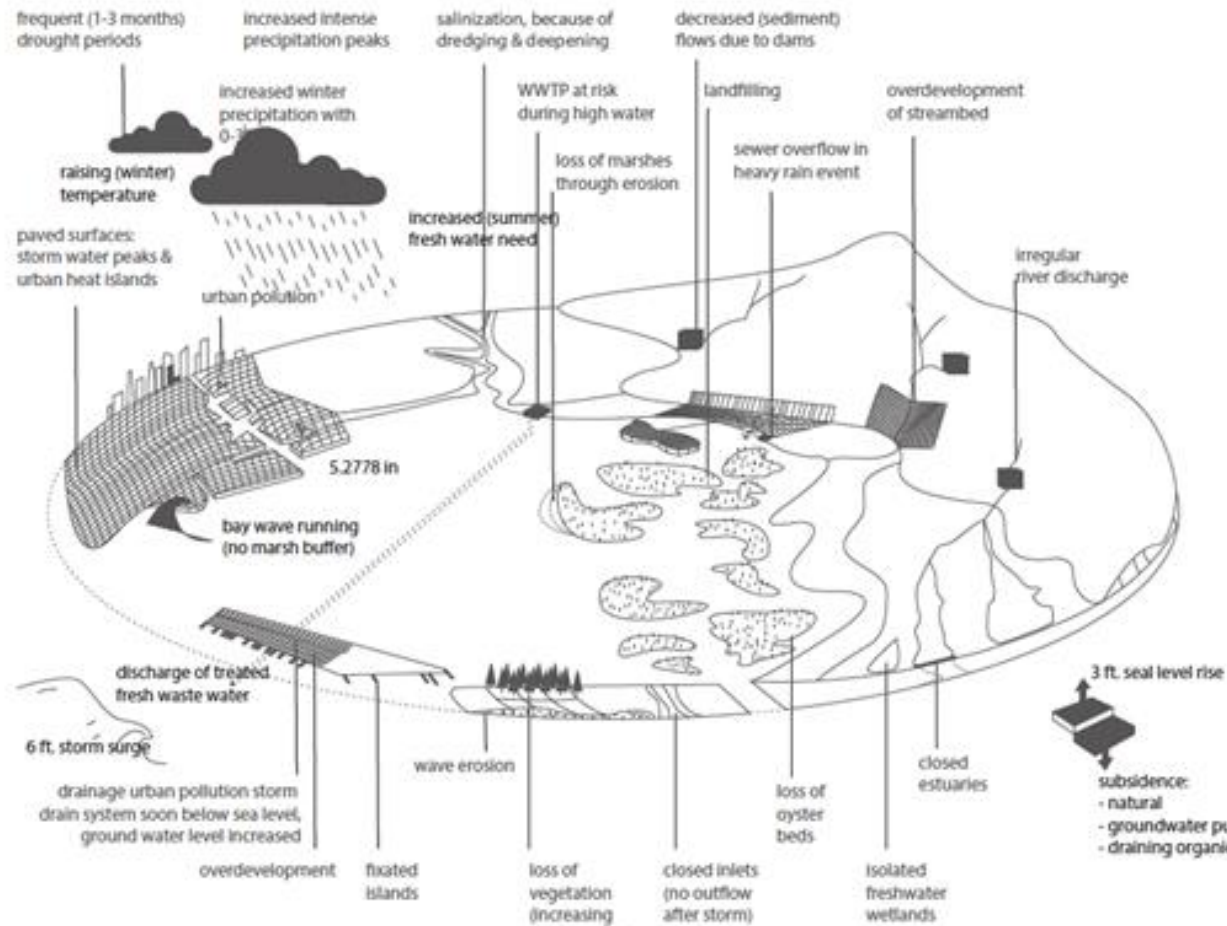


INTERBORO

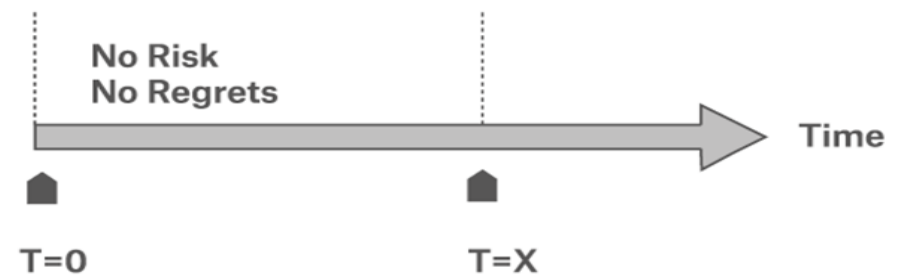
AEBEL



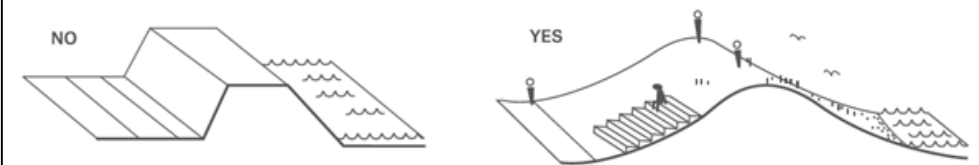
The Design Team Identified Four Guiding Principles



PLAN AND DESIGN FOR A
DYNAMIC LANDSCAPE



BE FLEXIBLE AND DESIGN LOW RISK,
“NO REGRETS” SOLUTIONS.



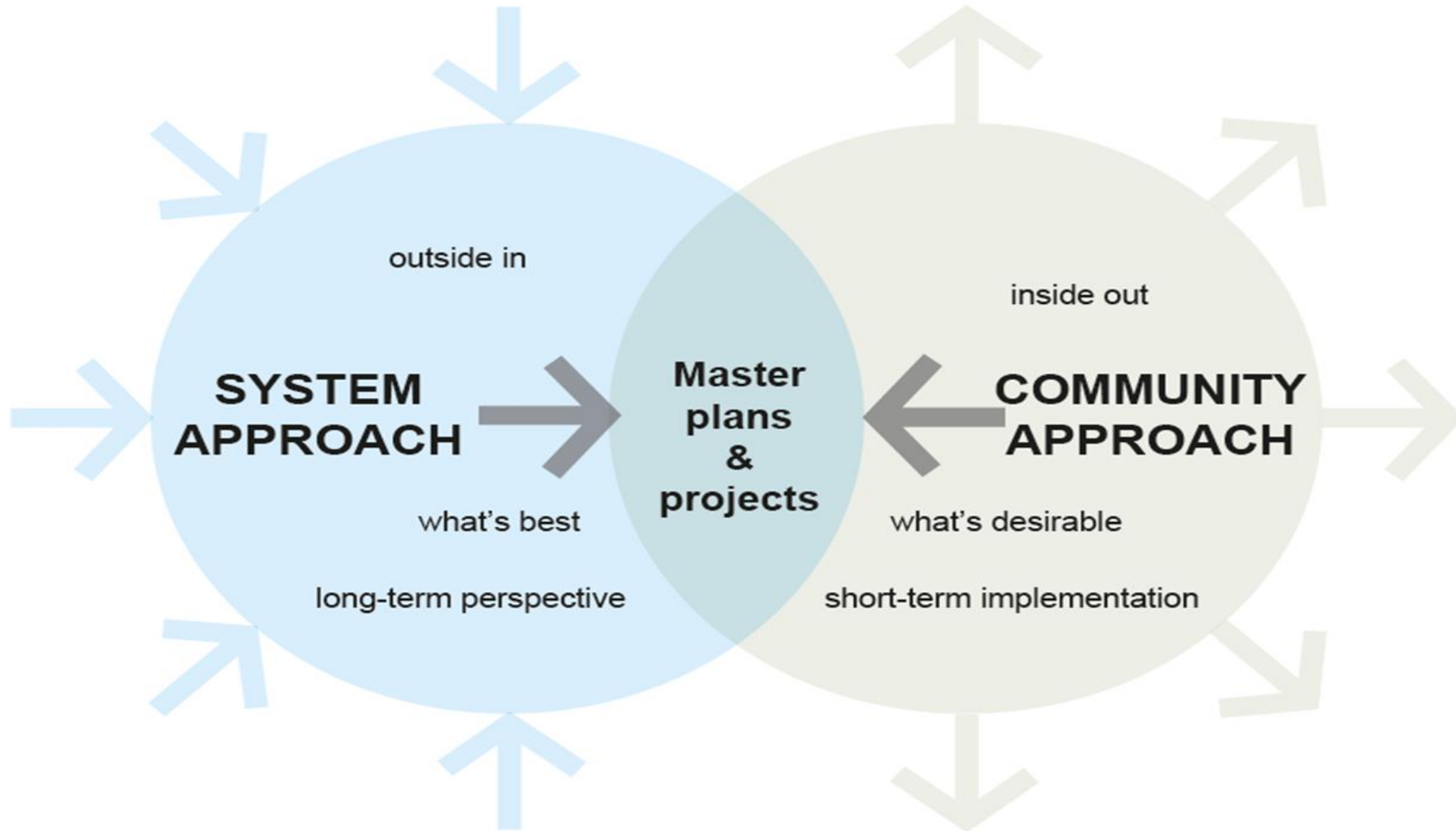
PLAN AND DESIGN FOR THE
STORM AND THE NORM.



PLAN AND DESIGN INTERVENTIONS THAT ARE
PROTOTYPICAL AND CATALYTIC.



The Four Principles Incorporate Community & System Approaches

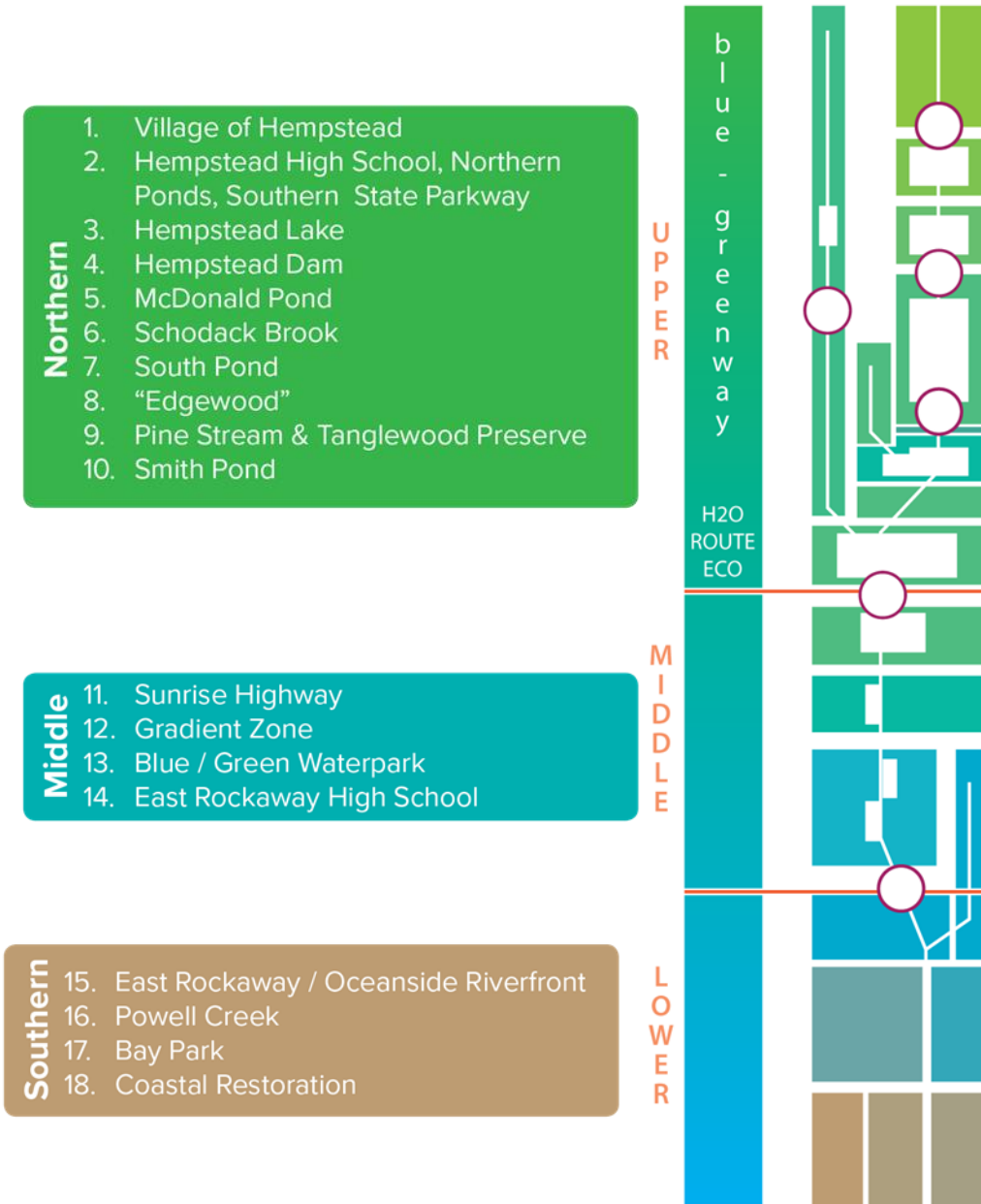


The Design Team Identified Four Objectives

The Design Team has four Overarching Objectives

- Manage Flooding
- Strengthen the Ecosystem
- Increase Access and Urban Quality of Life
- Create Local Adaptation & Social Resiliency

To be integrated throughout 18 identified project areas.



In the coming months, the Design Team will be working to identify and/or finalize projects with:

- East Rockaway
- Hempstead
- Lynbrook
- Malverne
- Nassau County
- New York State Parks
- Rockville Centre
- Social Resiliency Awardees
- US Fish and Wildlife Service



Social Resiliency Program Update

\$2,000,000 Notice of Funding Availability (NOFA) issued in Spring 2016 to create opportunities for educational, workforce training, research, and data collection programs in connection with the Living with the Bay Program.

- Five Program Areas were identified that funding could be applied for:
 - **Pre-K to 12 Teacher Education Program**- focus on Science & Ecology relating to RBD
 - **Higher Education Program** – focus on Research & Long Term Monitoring of RBD
 - **Continuing Education Program** – focus on Operations, Maintenance & Integration of Green & Grey Infrastructure that will be used in the project
 - **Job Training Program** - For displaced workers & young adults to participate in RBD
 - **Creation of Public Data Repository** – To maintain data related to RBD



Social Resiliency Finalists

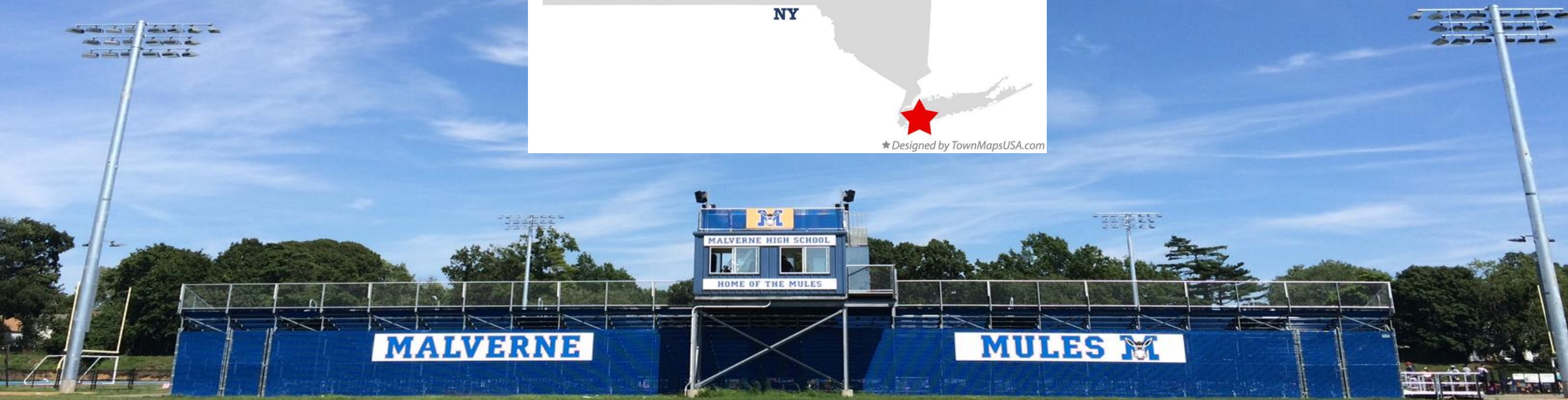
The following entities advanced to the final round with responses due back September 9th

- Hofstra University – National Center for Urban Studies
- Nassau BOCES
- New York Institute of Technology (NYIT)
- Operation S.P.L.A.S.H.
- Rockville Centre Union Free School District
- Tanglewood Center for Science Teaching and Learning

Social Resiliency awardees will be determined October 2016



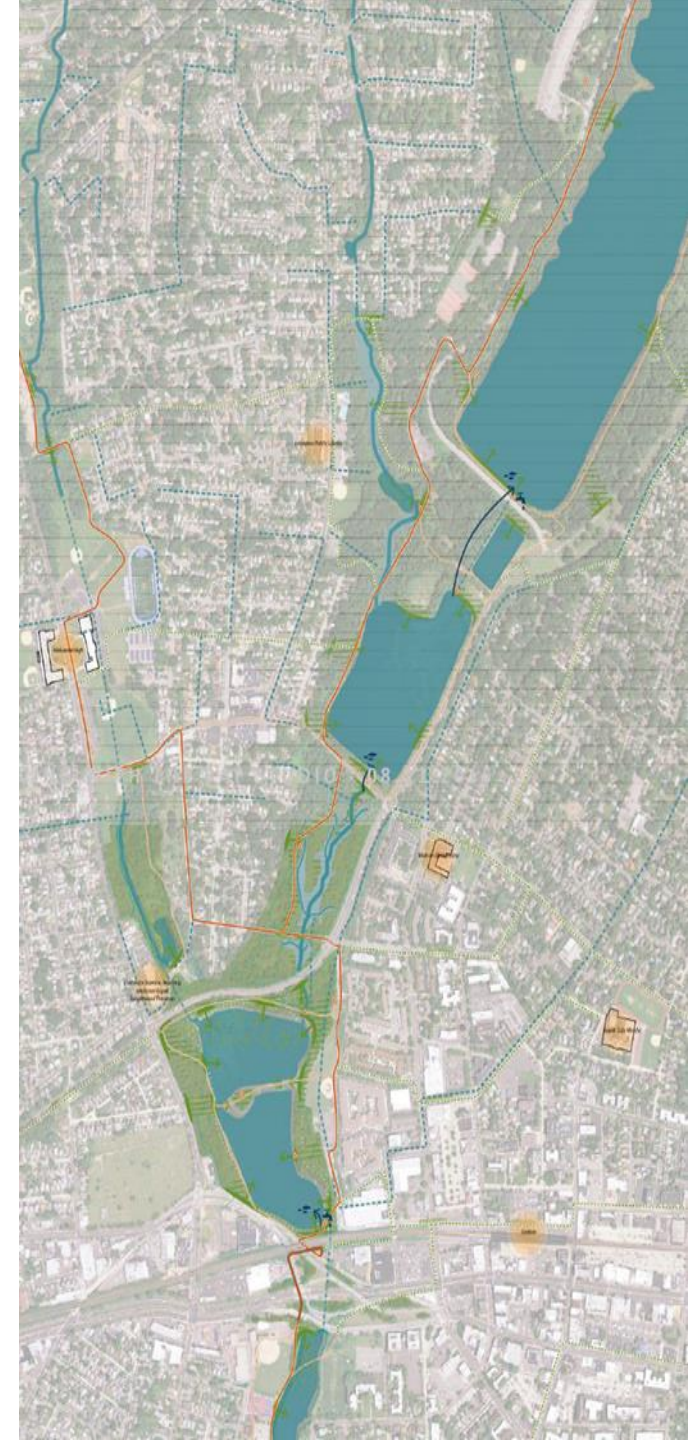
Sub-Recipient Partner Highlight: Malverne



Malverne's Proposed RBD Projects

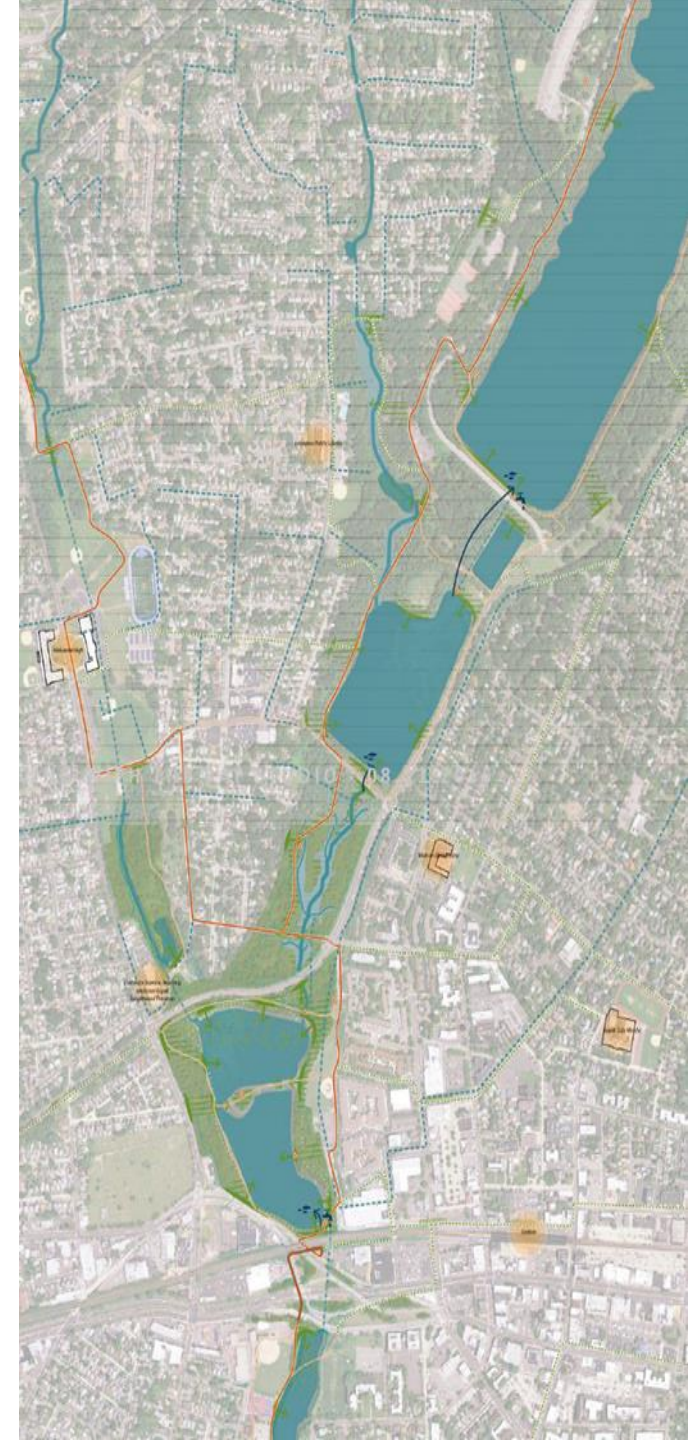
Focus on two areas:

1. Address local stormwater management issues in the village that are impacting the Mill River
2. Create new recreational opportunities for residents through development of a Greenway corridor that will tie into the system greenway



Malverne's Proposed Greenway

- Create a 2nd all-natural greenway allowing residents to access the Mill River greenway.
- Starting in the Village, and accessing existing parks, greenway would utilize Malverne High School land.
- Would enter the Tanglewood Preserve and ultimately terminate at Smith Pond.



Greenway Incorporates Malverne High School



Proposed Greenway to utilize natural areas with existing structures and trails



Malverne's Proposed Stormwater Projects

Address stormwater issues that are flowing through Pinebrook Estuary into the Mill River

- Remove silt from existing recharge basins and replace with porous material, that could prevent salt and other containments from flowing into the Mill River.
- Install dry wells in locations in the Village where flooding occurs during weather events
- Install dry well grates at levels higher than catch basins, allowing the dry wells to act a relief system to prevent further storm water drainage into the Mill River



Coordination of Federal Funds in Watershed

Program	Funding Source	Federal Funds in millions
NY Rising Community Reconstruction Program	HUD	\$43.2
FEMA PA projects	FEMA/HUD	\$149.1
Bay Park Wastewater Treatment Plant (PA)	FEMA/HUD	\$830.3
National Disaster Response Competition (NDRC)	HUD	\$7.8
Living with Bay Rebuild by Design (RBD)	HUD	\$125.0
Total Federal Funds (to date)		\$1,155.4

There is currently over \$1.16 billion dollars of infrastructure related projects in varying stages of completion in the Mill River



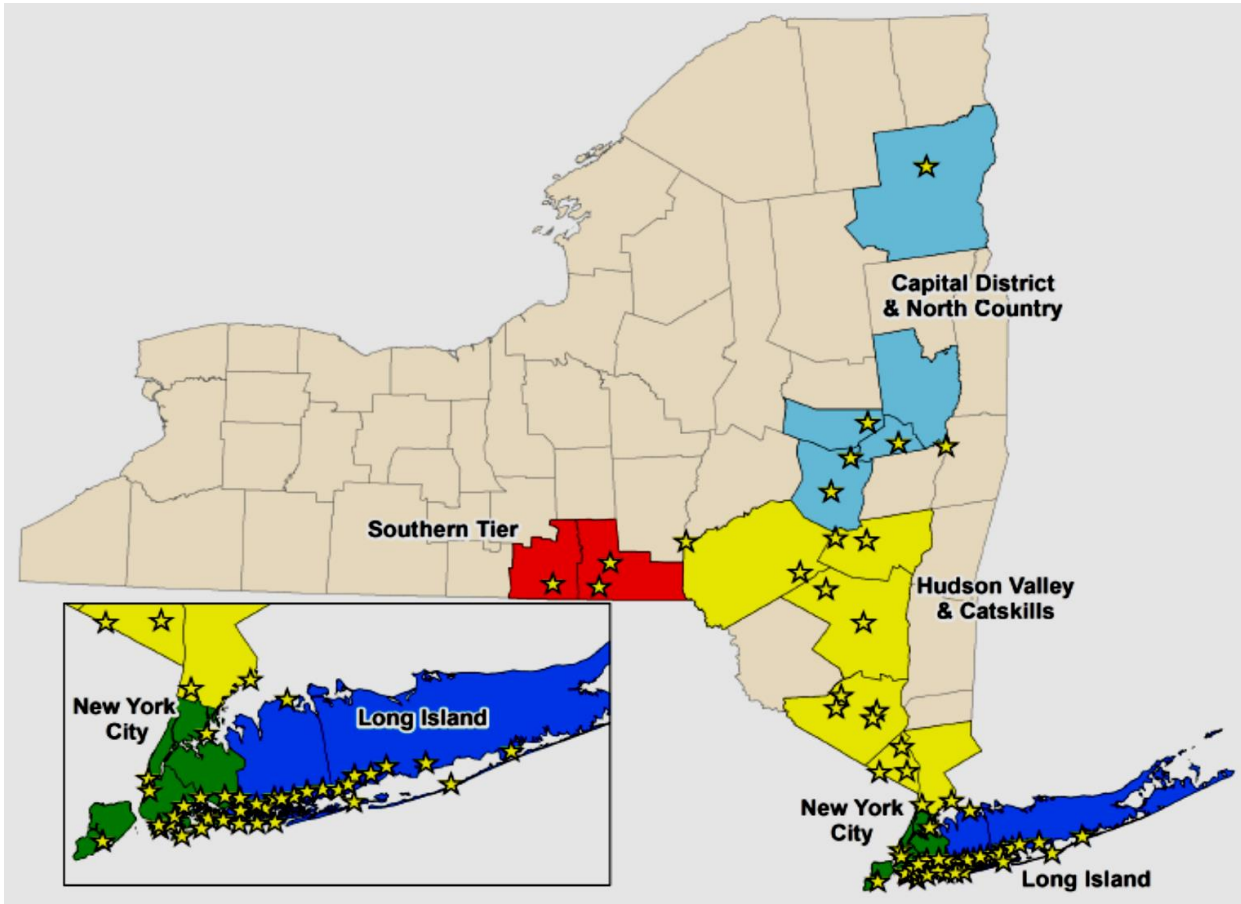
Coordination of Federal Funds in Watershed

NY Rising Community Reconstruction Program (NYRCR)



NYRCR - Coordination of Federal Funds

NYRCR PROGRAM OVERVIEW



Who's Involved

- 124 localities
- 61 planning committees
- 9 planning firms
- Numerous state agencies

The Process

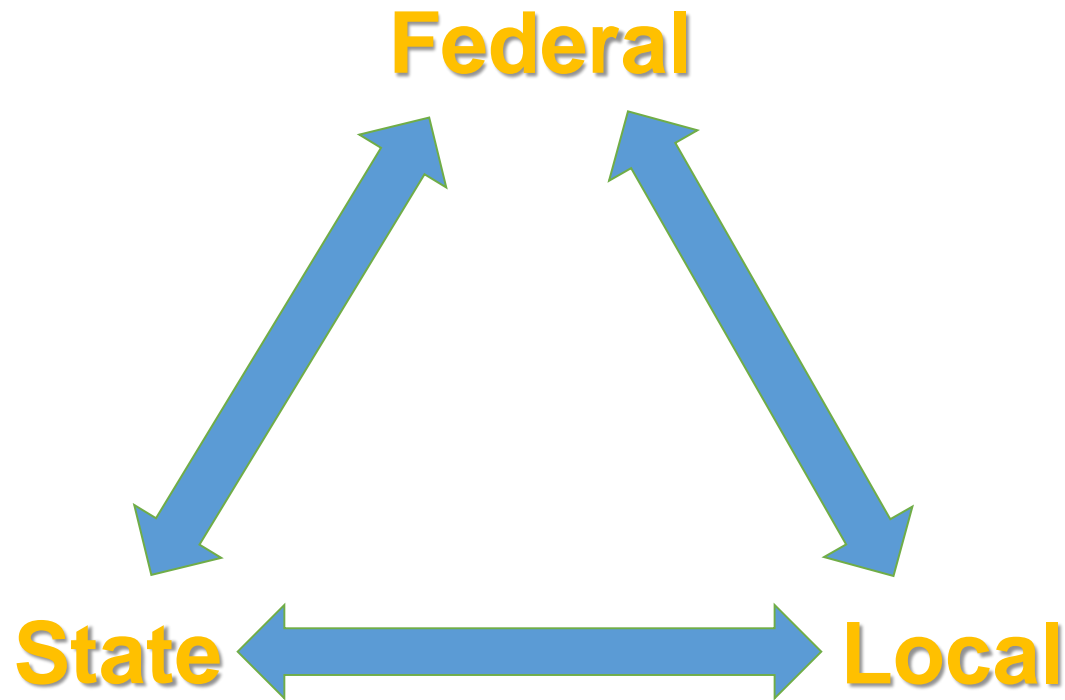
Developed to support reconstruction & resilience in the context of 6 recovery support functions:

1. Community Planning & Capacity Building
2. Health & Social Services
3. Economic Development
4. Housing
5. Infrastructure Systems
6. Natural & Cultural Resources



NYRCR - Coordination of Federal Funds

NYRCR PROGRAM OVERVIEW



Cooperative Policymaking

Federal

HUD Community Development Block Grant Disaster Recovery funding from Federal Government

State

Governor Cuomo creates program and empowers communities by providing resources

Local

Communities direct resources towards resiliency as they define it with assistance from world class planning & engineering firms



NYRCR - Coordination of Federal Funds

NYRCR PROGRAM OVERVIEW

A Community Driven Process

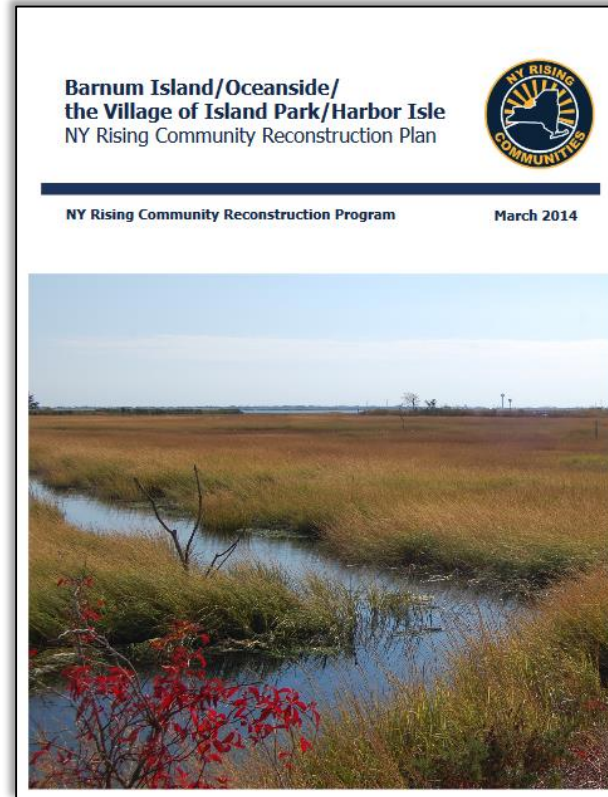
- Planning Committees are created, comprised of community residents, civic leaders, and business owners.
- State agency planners and planning firms work with Planning Committees and communities over 8 months to:
 - Inventory community assets
 - Assess community needs and opportunities
 - Formulate resiliency strategies
 - Develop projects and actions to accomplish strategies



NYRCR - Coordination of Federal Funds

NYRCR Communities

- Bay Park and Village of East Rockaway
 - Eligible for \$6.6 million in CDBG-DR funds
- Barnum Island/Oceanside/Village of Island Park /Harbor Isle
 - Eligible for \$36.6 million in CDBG-DR funds
 - Oceanside eligible for \$22.2 million in CDBG-DR funds



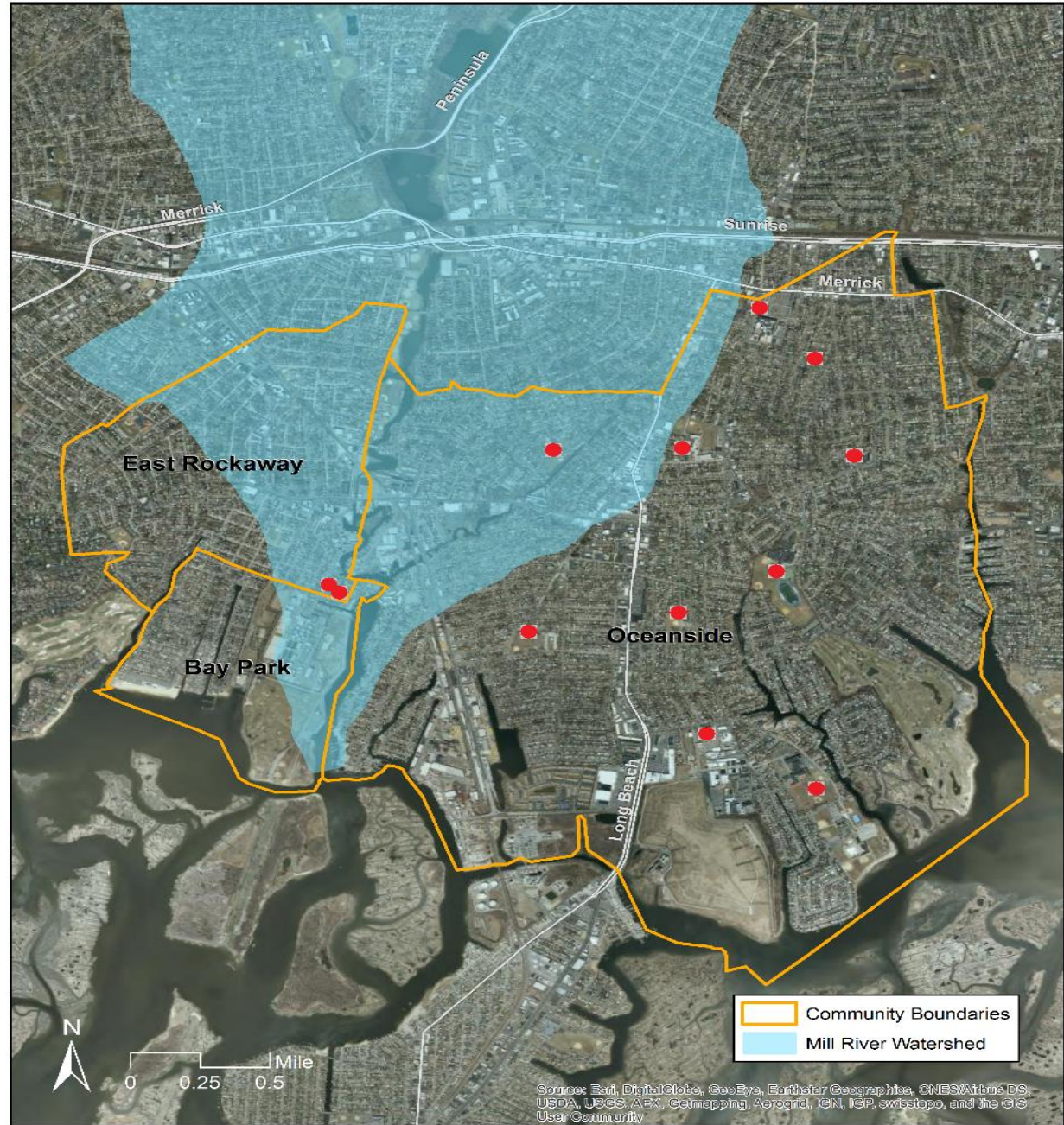
NY RISING COMMUNITY RECONSTRUCTION PROGRAM
BAY PARK AND VILLAGE OF EAST ROCKAWAY
NY RISING COMMUNITY RECONSTRUCTION PLAN
MARCH 2014



NYRCR - Coordination of Federal Funds

NYRCR Projects in Progress

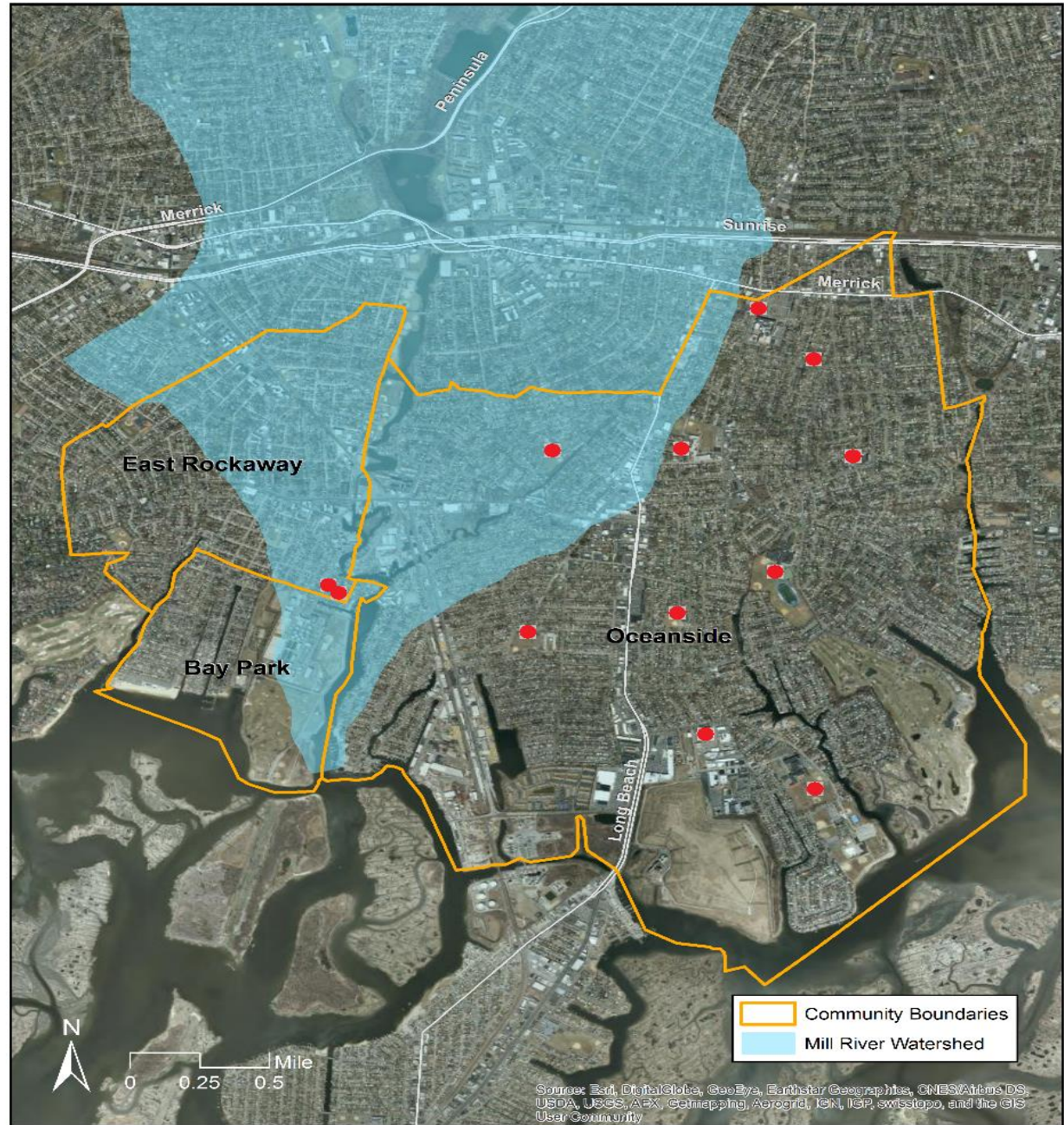
- Bay Park/East Rockaway Drainage Improvements
 - Phase I: Hydrology & Hydraulics Study
 - Phase II: Design will be finalized and constructed
- Oceanside Comprehensive Drainage Improvements
 - Phase I: Drainage Study
 - Phase II: Design will be finalized and constructed



NYRCR - Coordination of Federal Funds

NYRCR Projects in Progress cont.

- Oceanside Critical Facilities Resiliency and Emergency Response Resources
- Harden East Rockaway Department of Public Works Garage and John Street Recreation Center



Coordination of Federal Funds in Watershed

FEMA Public Assistance (PA) Program



FEMA PA - Coordination of Federal Funds

The FEMA Public Assistance (PA) Program

The PA Program provides grants to state, local, and federally recognized tribal governments and certain private non-profit entities to assist them with the response to and recovery from disasters. FEMA funds work in seven categories.

Public Assistance Projects Categories:

- Category A: Debris removal
- Category B: Emergency Protective Measures
- Category C: Roads and bridges
- Category D: Water control facilities
- Category E: Public buildings and contents
- Category F: Public utilities
- Category G: Parks, recreational, and other facilities



FEMA PA - Coordination of Federal Funds

The Big Picture: FEMA PA Projects on Long Island

Hurricane Irene, Superstorm Sandy, and Winter Storm Nemo

Long Island Totals:

Applicants – 507

Project Worksheets (PW's) – 3,525

Total Project Amount (\$) – \$3,671,428,562

These totals include two of the largest PWs that FEMA has ever written:

Long Island Power Authority
PA-02-NY-4085-PW-00367
\$1,409,702,766

Bay Park WWTP
PA-02-NY-4085-PW-03714
\$810,708,377

Nassau County

Applicants – 292

PWs – 1,900

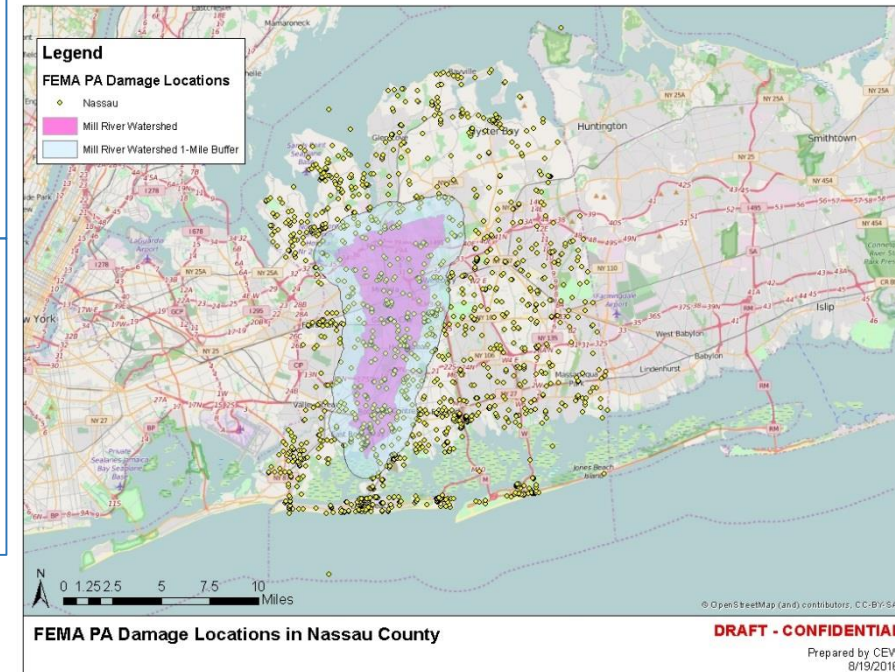
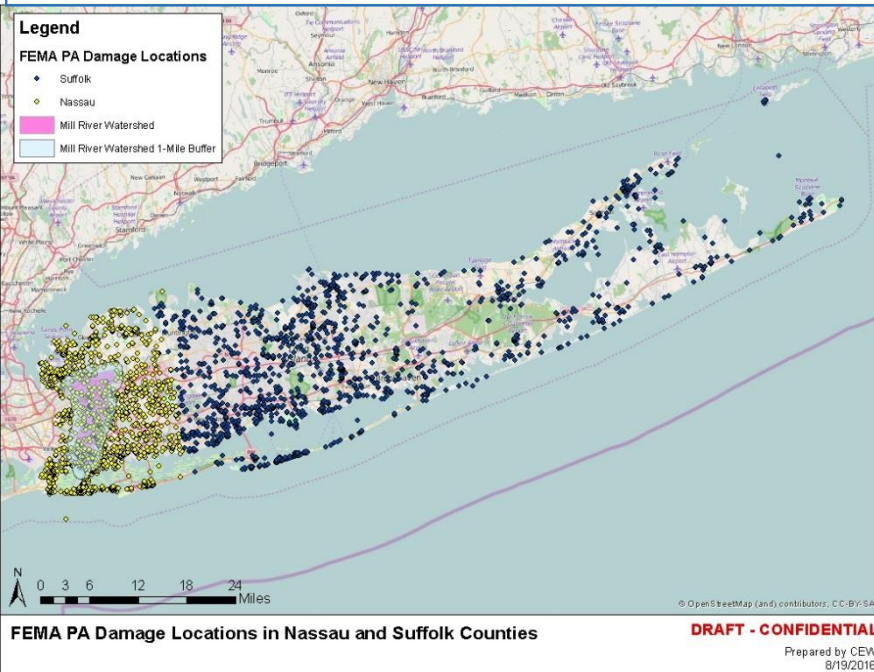
Total Project Amt (\$) – \$3,387,697,599

Suffolk County

Applicants – 221

PWs – 1,625

Total Project Amt (\$) – \$283,730,963



FEMA PA - Coordination of Federal Funds

FEMA PA Projects within the Mill River Watershed

By the numbers*:

Applicants
86

Fed Share Reimbursed (\$)
\$131,268,886

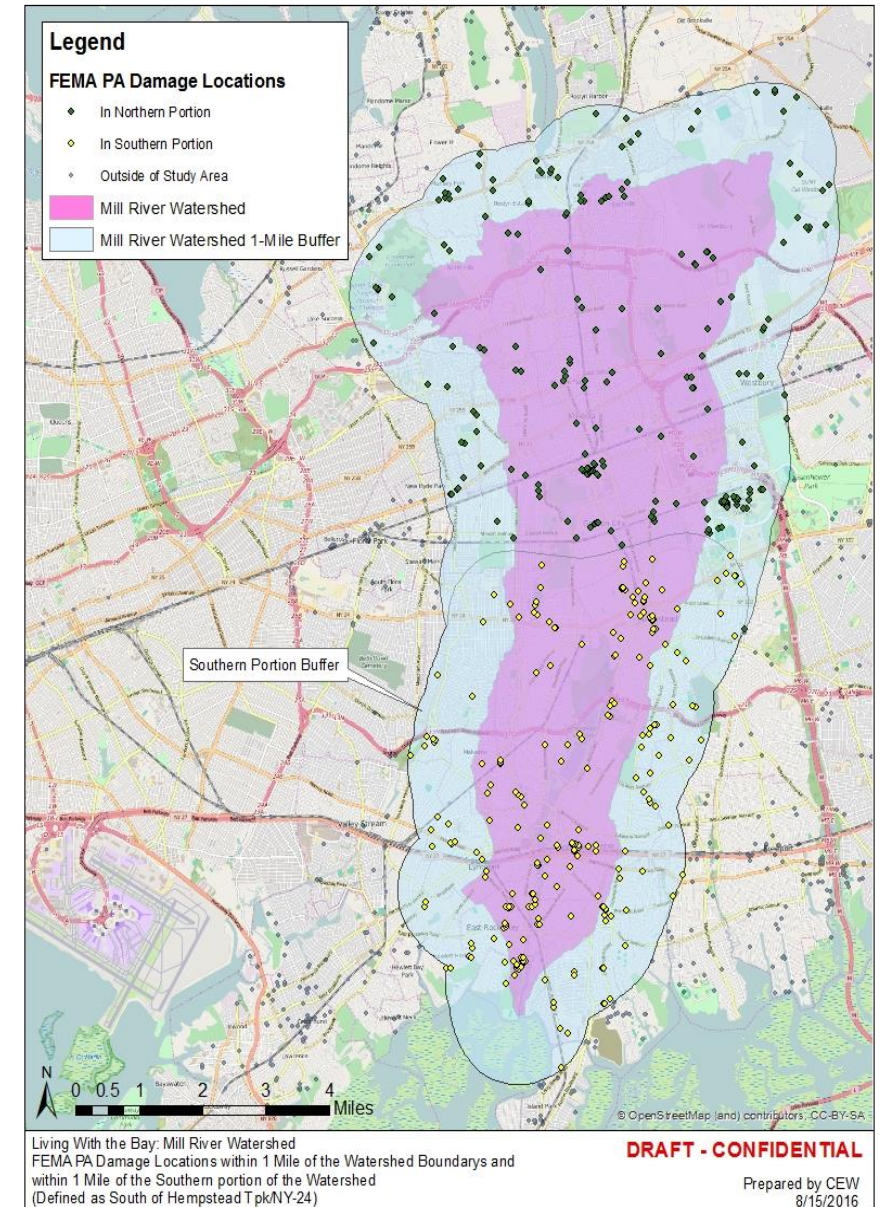
Project Worksheets (PWs)
422

State and Local Share
Reimbursed (\$)
\$12,325,722

Total Project Amount (\$)
\$149,108,191

Total Reimbursed (%)
96%

*figures exclude state agency work in the region and Bay Park WWTP



FEMA PA - Coordination of Federal Funds

Committed to Restoring our Communities

Examples of FEMA PA Projects in the Mill River Watershed

Applicant	Rockville Centre	Garden City	Malverne	Twtn of Hempstead	Oceanside UFSD
PW Number	PA-02-NY-4085-PW-03100	PA-02-NY-4085-PW-01258	PA-02-NY-4085-PW-02538	PA-02-NY-4085-PW-04050	PA-02-NY-4085-PW-01028
FEMA Category	Category F	Category C	Category D	Category C	Category E
Description of Work	Rockville Centre Electric Utility	Roads and Bridges	Malverne Water Control Structures	Sidewalks	Oceanside School #4 Bldg - Work Completed
Total Project Amount (\$)	\$1,324,791	\$521,753	\$26,685	\$156,745	\$285,367
Fedshare Reimbursed (\$)	\$1,192,311	\$469,578	\$24,017	\$141,070	\$256,830
State and Local Share Reimbursed (\$)	\$132,479	\$52,175	\$2,668	\$15,674	\$28,536
Total Reimbursed (%)	100%	100%	100%	100%	100%



FEMA PA - Coordination of Federal Funds

Update on activities at Bay Park Waste Water Treatment Plant



More Information

Governor's Office of Storm Recovery website:

<http://stormrecovery.ny.gov>

GOSR Rebuild by Design Living with the Bay:

<http://stormrecovery.ny.gov/living-bay-slow-streams>

Rebuild by Design:

<http://stormrecovery.ny.gov/rbd>

**The Governor's Office of
Storm Recovery**

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Hours: 9a – 5p

